

Docket No.: 43890-618

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of	:	Customer Number: 20277
	:	
Kaoru SATO, et al.	:	Confirmation Number: To be assigned
	:	
Serial No.: Divisional of	:	Group Art Unit: To be assigned
Application No. 09/493,677	:	
	:	
Filed: August 05, 2003	:	Examiner: To be assigned
	:	
For: HEAT SINK, METHOD OF MANUFACTURING THE SAME AND COOLING		
APPARATUS USING THE SAME		

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop New Applications  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached form PTO-1449. It is respectfully requested that the references be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

The references were cited by or submitted to the U.S. Patent and Trademark Office in parent application Serial No. 09/493,677 , filed January 28, 2000 , which is relied upon for an


**Serial No.:** Divisional of  
Application No. 09/493,677

earlier filing date under 35 USC 120. Thus, copies of these references are not attached. 37 CFR  
1.98(d).

Please charge any shortage in fees due in connection with the filing of this paper, including  
extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit  
account.

Respectfully submitted,

MCDERMOTT, WILL & EMERY



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**Date: August 5, 2003**

# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(PTO-1449)

 ATTY. DOCKET NO.  
**43890-618**

 SERIAL NO.  
**Divisional of Serial N .  
09/493,677**

 APPLICANT  
**Kaoru SATO, et al.**

 FILING DATE  
**August 05, 2003**

 GROUP  
**To be assigned**

## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US 4,369,838	01/83	Asanuma et al	
		US 4,449,578	05/84	Munekawa	
		US 5,647,430	07/97	Tajima	
		US 4,823,869	04/89	Arnold et al	
		US 5,181,313	01/93	Nonnemacher et al	
		US 5,775,418	07/98	Loneragan et al	
		US 5,598,322	01/97	Von Arx et al	
		US 5,132,780	7/1992	Higgins, III	
		US 3,421,578	01/1969	Marton	
		US 3,163,207	12/1964	Schultz	

## FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes-Number 4-Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation	
						Yes	No
		JP 5-218245	08/93	NEC Corp.			
		JP 62-182600	11/87	Fujitsu			
		JP 6-9144	02/94	Sumitomo Keikinzoku			
		CA 1026013 B1	02/98				
		JP 04-294570	10/92	Toshiba Corp.		Abstract	
		JP 50-94884	07/75			Abstract	
		JP 63-187343	11/88			Abstract	
		JP 4-117458	10/92			Abstract	
		JP 63-2357	01/88			Abstract	
		JP 10-092985	04/98			Abstract	
		JP 10-242352	09/98			Abstract	
		JP 11-047960	02/99			Abstract	
		JP 05-259323	10/93			Abstract	
		JP 08-316389	11/96			Abstract	
		JP 54-025168	02/79			Abstract	
		JP 07-183432	07/95			Abstract	
		JP 2001-108329	04/01			Abstract	

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
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EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.